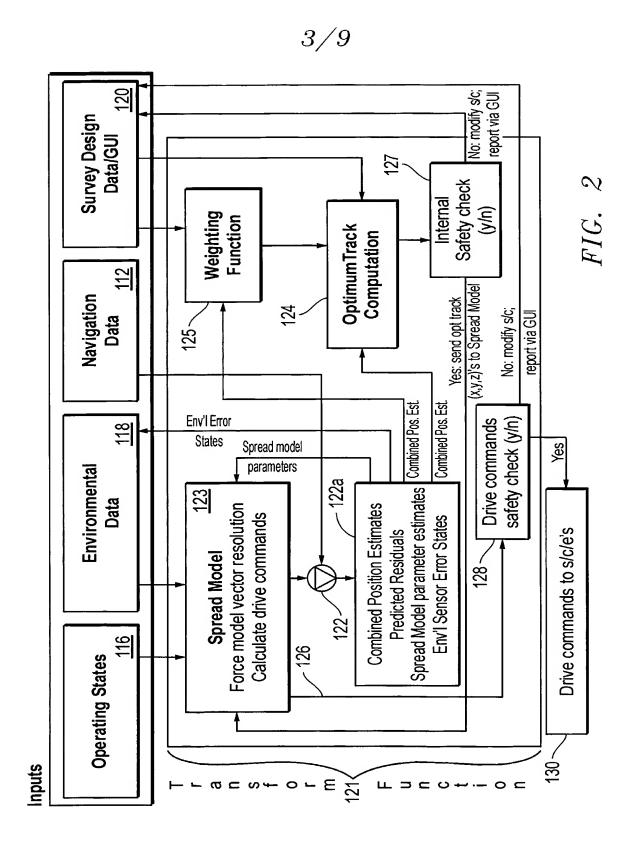
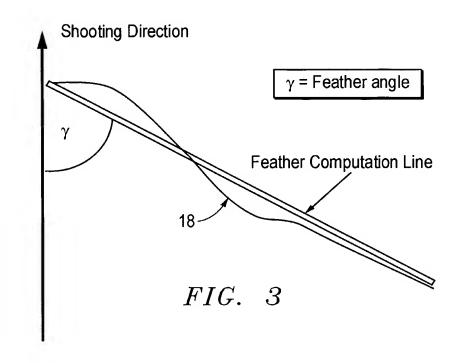


FIG. 11



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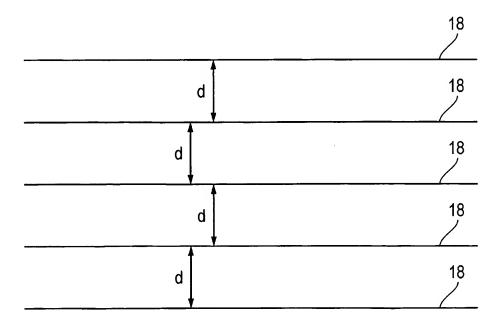
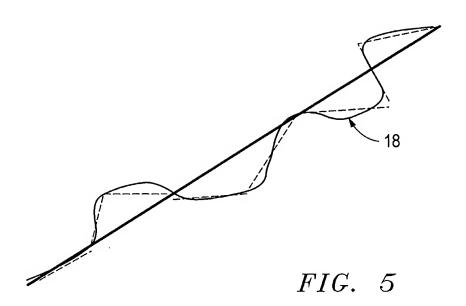


FIG. 4





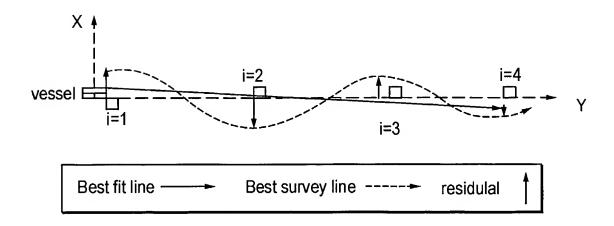


FIG. 6

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L2 Line Fits to _____ Base Survey track

Base Survey ____

track

Vessel Track Guided by

Successive Line Fit Look Aheads

FIG. 7

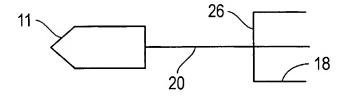
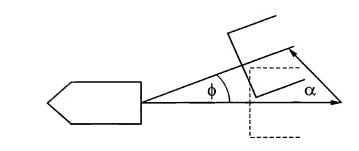


FIG. 8A





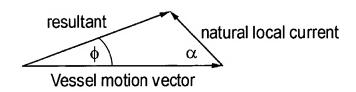


FIG. 8B

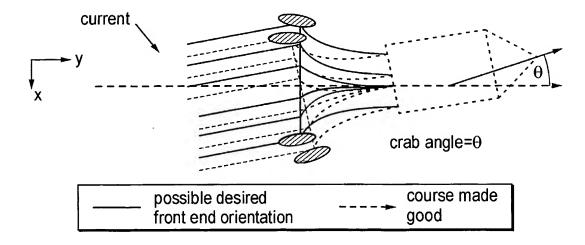


FIG. 9

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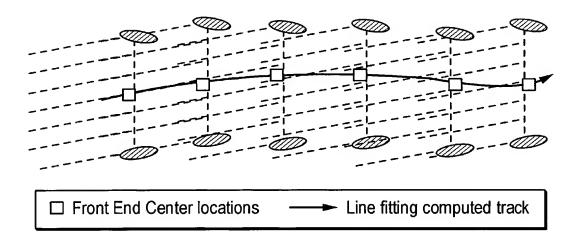
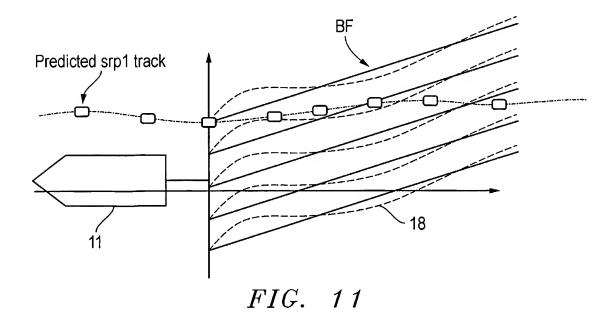


FIG. 10





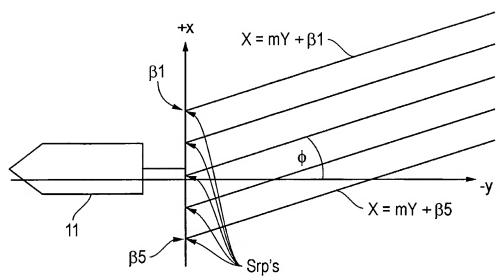


FIG. 12

